CARLOS EMILIO E. ALCANTARA

Address:	446 Purok 5 Barangay San Juan San Pablo City, Laguna (Permanent)
Birth date:	July 2, 2002
Citizenship:	Filipino
Cellphone No.	5217937 (at Permanent Residence) 09082028456 (mobile phone)
Email:	carlosemilioalcantara4@gmail.com
Languages spoken:	Tagalog (mother tongue) English (second language; fluent)

WORK ETHICS

- **Detail-oriented problem solver.** Knows that thorough analysis, attention to detail, planning, and troubleshooting of software are important factors in ensuring proper software runtime and compatibility with systems.
- **Holistic thinker.** Understands the importance of having interconnectedness between the parts of a project. That design and features should be planned and made with the whole project in mind.
- **Flexible planner.** Plans projects and writes code with foreseeable modifications in mind. Modifies the plan and code according to need and documents changes.
- **Self-motivated team-player.** Independently creates solutions to assigned tasks. Adjusts to the personalities of coworkers to work with them in a professional manner and communicates clearly.
- **Innovative and resourceful.** Always open to newer, and more efficient solutions. Learns and makes use of modern tools to improve upon existing workflows, optimize performance, and adapt to evolving industry standards.
- **Continuous learner.** Actively seeks to expand knowledge and embraces challenges as learning opportunities for improving upon both technical/hard skills and soft skills.

TECHNICAL SKILLS

PROGRAMMING

- **Languages:** HTML/CSS, JavaScript, Python, PHP
- **Frameworks & Libraries:** Tailwind CSS, React, Tkinter, Flask
- **Databases:** PostgreSQL, MySQL, SQLite
- **Tools:** Git, VS Code, Figma, SASS

CLERICAL

- **General Software:** Microsoft Office, Google Docs, Google Drive, Internet, Social Media Platforms
- **Programming-related:** Stack Overflow

EDUCATIONAL BACKGROUND

July 2022 - June 2025: Bachelor's Degree in Computer Science
LAGUNA COLLEGE
San Pablo City, Laguna, Philippines

June 2015 - May 2022: Secondary Education
LAGUNA COLLEGE
San Pablo City, Laguna, Philippines

OTHER EDUCATIONAL ACTIVITIES

June 2023 - July 2023: Web Design And Development Training

- Designed a website mockup and UI using Figma
- Converted mockup into actual web pages
- Applied SASS to create websites
- Learned basic WordPress PHP
- Applied basic site scripting using JavaScript
- Created websites fast and efficiently using Tailwind CSS utility classes
- Applied responsive web design

Frontline Business Solutions, Inc.
San Pablo City, Laguna, Philippines

PROFESSIONAL WORK EXPERIENCE

Freelance Front-end Developer
Sage House
001 Purok 1 Brgy. San Juan, San Pablo City, Laguna
January 2025 - March 2025

Project based. Created a website to increase business online presence; Designed the website through Figma and developing using React—for modularity and making use of Framer motion for animations—with Tailwind CSS—for streamlined styling; Responsible for update and maintenance of website; Integration of EmailJS and Google Maps for client communication and store visibility. Discussion of technical specifications and requirements of the desired design with the client; Choosing of tools and technology for use in development; Hosting and launching of website—through Cloudflare Pages. The project is live at: https://sage-house.pages.dev/

Intern (Business Tax Division)
Office of the City Treasurer
Brgy. 5A Mabini Extension, San Pablo City, Laguna
June 2024 - July 2024

Created a system software for managing the tax orders of professionals using Python with Tkinter; Applied object-oriented programming principles to create a modular and scalable

codebase; Translated paper document management procedures into digital procedures; Created software that automates document writing and printing—through FPDF; Created software that allows for saving, deleting, modifying, and searching of professionals in a database—powered by SQLite3—via license number; Created software that allows for saving, deleting, modifying, and searching of tax order receipts in a database assigned to each saved professional. Responsible for choosing tools and technology for use in development; Installing the system software on computers.

PUBLISHED OR PRESENTED RESEARCH WORK

UNDERGRADUATE THESIS

SpotMe: An AI Strength Exercise Safety Analyzer

Browser-based web application using Flask as framework, that provides real-time AI-powered feedback on user form to improve exercise safety.

Mediapipe was used to measure the user's joints captured via cv2/OpenCV, SASS was used to build the user interface, gTTS to provide text-to-speech cues for movement correction, and PostgreSQL hosted in Railway to provide the relational databases.

Submitted to and accepted by the Information Technology Education Department, Laguna College in June 2025.

DISTINCTIONS RECEIVED

Leadership Award
Laguna College
Academic Year 2024 - 2025

Best in Graphics and Visual Computing
Laguna College
Academic Year 2023 - 2024

Best in Programming
Laguna College
Academic Year 2023 - 2024

SEMINARS ATTENDED OR PARTICIPATED IN

Shhorai: Combating Hate Speech And Fostering An Inclusive Digital Space
+ Contextualising Fairness: AI Governance In Asia
August 21 - 23, 2024
Heimdall Institute
Laguna College,
San Pablo City, Laguna, Philippines

Enhancing Internet And Web Standards To Address DNS Tampering
August 21 - 23, 2024
Heimdall Institute

Laguna College,
San Pablo City, Laguna, Philippines

Infrastructures Of Repression: Cybersecurity And Human Rights In The Asia Pacific
August 21 - 23, 2024
Heimdall Institute
Laguna College,
San Pablo City, Laguna, Philippines

Building Holistic Resilience To Address Emerging Ethical And Social Challenges In The Digital And AI Age
August 21 - 23, 2024
Heimdall Institute
Laguna College,
San Pablo City, Laguna, Philippines

CHARACTER REFEREES

William G. Cartabio
09917848200
Local Revenue Collection Officer IV
Office of the City Treasurer
San Pablo City, Laguna, Philippines

Rhea A. Dacara
09209560927
Public School District Supervisor
DepEd - San Pablo
San Pablo City, Laguna, Philippines